

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

1.-11. (Canceled)

12. (New) A signal processing device for processing a knocking signal of an internal combustion engine provided by a knocking sensor, comprising:

at least one filter having a property influenceable by control information, wherein:

the control information is checked and an alternate measure is taken if the check reveals that the control information is incorrect.

13. (New) The signal processing device as recited in Claim 12, further comprising:

an arrangement for receiving the control information at an input; and

an arrangement for checking the received control information.

14. (New) The signal processing device as recited in Claim 12, further comprising:

a memory for storing the control information; and

an arrangement for checking the stored control information for correctness.

15 (New) The signal processing device as recited in Claim 12, wherein:

the control information includes a filter coefficient.

16. (New) The signal processing device as recited in Claim 12, further comprising:

an arrangement for cooperating with a control unit, wherein:

the control unit generates the control information, and

the control unit influences a combustion process in the internal combustion engine on the basis of the knocking signal.

17. (New) The signal processing device as recited in Claim 14, wherein:
alternate values are used for the control information as an alternate measure, and
the alternate values are one of read from the memory and calculated from non-
erroneous control information.
18. (New) A control unit for cooperating with a signal processing device including at least
one filter having a property influenceable by control information, the control information being
checked and an alternate measure being taken if the check reveals that the control information is
incorrect, the control unit comprising:
an arrangement for generating and outputting the control information to the signal
processing device.
19. (New) The control unit as recited in Claim 18, further comprising:
an arrangement for receiving a measurement message of the signal processing device, the
measurement message containing information derived from a knocking signal; and
an arrangement for checking the measurement message for errors and initiating the
alternate measure in the event of an error.
20. (New) The control unit as recited in Claim 19, further comprising:
an arrangement for checking the measurement message to determine whether the
measurement message was corrupted during transmission from the signal processing device to
the control unit.
21. (New) The control unit as recited in Claim 18, further comprising:
an arrangement for checking the measurement message to determine whether the
measurement message contains information about an error occurring in the signal processing
device.
22. (New) The control unit as recited in Claim 18, further comprising:
an arrangement for taking the alternate measure by influencing an ignition angle that
triggers an internal combustion engine.